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December 29, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of November 2020.

Sincerely,

Katie M. Brown

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		NOVEMBER 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	99,513,916
	MWH sales:		
2	Total System Sales		4,686,650
3	Less intersystem sales		255,470
4	Total sales less intersystem sales		4,431,180
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.2458
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.1844
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		108,156
8	Oil		4,309
9	Natural Gas - Combustion Turbine		39,920
10	Natural Gas - Combined Cycle		1,543,917
11	Biogas		1,240
12	Total Fossil		1,697,541
13	Nuclear		2,156,930
14	Hydro - Conventional		83,253
15	Solar Distributed Generation		17,309
16	Total MWH generation		3,955,033

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description	NOVEMBER 2020
Fuel and Fuel-Related Costs:	
Steam Generation - Account 501	
0501110 coal consumed - steam	4,774,469
0501310 fuel oil consumed - steam	643,447
Total Steam Generation - Account 501	5,417,916
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	12,619,848
Other Generation - Account 547	
0547000 natural gas consumed - Combustion Turbine	4,430,806
0547000 natural gas capacity - Combustion Turbine	1,093,390
0547000 natural gas consumed - Combined Cycle	31,867,197
0547000 natural gas capacity - Combined Cycle	11,692,189
0547106 biogas consumed - Combined Cycle	64,209
0547200 fuel oil consumed	109,807
Total Other Generation - Account 547	49,257,598
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	34,713,516
Fuel and fuel-related component of DERP purchases	91,624
PURPA purchased power capacity	2,907,002
DERP purchased power capacity	23,013
Total Purchased Power and Net Interchange - Account 555	37,735,156
Less:	
Fuel and fuel-related costs recovered through intersystem sales	5,662,029
Solar Integration Charge	(11)
Total Fuel Credits - Accounts 447/456	5,662,018
Total Costs Included in Base Fuel Component	99,368,500
Environmental Costs	
0509030, 0509212, 0557451 emission allowance expense	586
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense	167,438
Emission Allowance Gains	-
Less reagents expense recovered through intersystem sales - Account 447	13,551
Less emissions expense recovered through intersystem sales - Account 447	9,057
Total Costs Included in Environmental Component	145,416
Fuel and Fuel-related Costs excluding DERP incremental costs	99,513,916
DERP Incremental Costs	261,446
Total Fuel and Fuel-related Costs	99,775,362

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		NOVEMBER 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	11,818
Shared Solar Program	$	835
Total DERP Avoided Costs	$	12,653
DERP Incremental Costs		
Purchased Power Agreements		(4,852)
DERP NEM Incentive		147,767
Solar Rebate Program - Amortization		50,022
Solar Rebate Program - Carrying Costs		39,207
Shared Solar Program		2,045
NEM Avoided Capacity Costs		368
NEM Meter Costs		9,855
General and Administrative Expenses		17,013
Interest on under-collection due to cap		21
Total DERP Incremental Costs	$	261,446

Notes:

Detail amounts may not add to totals shown due to rounding.

All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

NOVEMBER 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	**$**	**$**	**mWh**	**Fuel $**	**Non-fuel $**
Broad River Energy, LLC	$ 2,278,527	$ 1,120,424	22,073	$ 1,158,103	-
City of Fayetteville	365,547	354,250	-	11,297	-
DE Carolinas - Native Load Transfer	4,077,843	-	172,608	4,084,773	$ (6,930)
DE Carolinas - Native Load Transfer Benefit	656,736	-	-	656,736	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	2,158,264	1,707,268	10,573	450,996	-
PJM Interconnection, LLC	45,573	-	1,800	45,573	-
Southern Company Services	2,618,393	687,323	59,245	1,931,070	-
Energy Imbalance	11,297	-	491	10,498	799
Generation Imbalance	1,315	-	64	1,224	91
	$ 12,242,045	**$ 3,897,815**	**266,854**	**$ 8,350,270**	**$ (6,040)**
Act 236 PURPA Purchases					
DERP Qualifying Facilities	$ 108,580	-	2,673	$ 108,580	-
Other Qualifying Facilities	12,392,806	-	277,369	12,392,806	-
Renewable Energy	16,877,443	-	237,047	16,877,443	-
	$ 29,378,829	**-**	**517,089**	**$ 29,378,829**	**-**
Total Purchased Power	**$ 41,620,874**	**$ 3,897,815**	**783,943**	**$ 37,729,099**	**$ (6,040)**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

NOVEMBER 2020

Sales	Total $	Capacity $	mWh	Non-capacity Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 866,652	$ 652,500	6,887	$ 151,132	$ 63,020
PJM Interconnection, LLC	5,423	-	700	18,028	(12,605)
Other:					
DE Carolinas - Native Load Transfer	4,910,194	-	247,876	4,732,221	177,973
DE Carolinas - Native Load Transfer Benefit	783,256	-	-	783,256	-
Generation Imbalance	-	-	7	-	-
Total Intersystem Sales	**$ 6,565,525**	**$ 652,500**	**255,470**	**$ 5,684,637**	**$ 228,388**

* Sales for resale other than native load priority.
NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
NOVEMBER 2020

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,431,179,871
2	DERP Net Metered kWh generation	Input					2,257,133
3	Adjusted System kWh sales	L1 + L2					4,433,437,004
4	Actual S.C. Retail kWh sales	Input	121,181,010	18,129,415	343,741,276	6,021,418	489,073,119
5	DERP Net Metered kWh generation	Input	1,184,006	25,186	1,047,941		2,257,133
6	Adjusted S.C. Retail kWh sales	L4 + L5	122,365,016	18,154,601	344,789,217	6,021,418	491,330,252
7	Actual S.C. Demand units (kw)	L32 / 31b *100			620,300		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$83,561,282
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$51,067
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$83,612,349
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.886
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$2,307,741	$342,386	$6,502,548	$113,561	$9,266,236
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($27,028)	($2,666)	($21,373)	$0	($51,067)
14	S.C. Retail portion of incurred system expense	L12 + L13	$2,280,713	$339,720	$6,481,175	$113,561	$9,215,169
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	1.887	1.887	1.887	1.887	1.887
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$2,286,641	$342,102	$6,486,398	$113,624	$9,228,765
17	DERP NEM incentive - fuel component	Input	$2,107	$208	$1,666	$0	$3,981
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$2,288,748	$342,310	$6,488,064	$113,624	$9,232,746
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	($8,035)	($2,590)	($6,889)	($63)	($17,577)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($8,035)	($2,590)	($6,889)	($63)	($17,577)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.756	0.499			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			117		
23	Incurred S.C. base fuel - capacity expense	Input	$916,687	$90,427	$724,889		$1,732,003
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.528	0.358			
24b	Billed base fuel - capacity rate (¢/kW)	Input			108		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$639,923	$64,903	$669,929	$0	$1,374,755
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	$276,764	$25,524	$54,960	$0	$357,248
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$276,764	$25,524	$54,960	$0	$357,248
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.007	0.005			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			1		
30	Incurred S.C. environmental expense	Input	$8,495	$838	$6,717		$16,050
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.021	0.012			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$25,260	$2,176	$37,218		$64,654
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	($16,765)	($1,338)	($30,501)	$0	($48,604)
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($16,765)	($1,338)	($30,501)	$0	($48,604)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.006	0.004			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	$6,697	$661	$5,295		$12,653
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.002	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			2		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$2,406	$181	$12,406		$14,993
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	$4,291	$480	($7,111)	$0	($2,340)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$4,291	$480	($7,111)	$0	($2,340)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$256,255	$22,076	$10,459	($63)	$288,727

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
NOVEMBER 2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$8,184,894					
March 2020 - actual	6,703,728	($500,048)	($60,906)	($900,533)	($19,679)	($1,481,166)
April 2020 - actual	4,364,676	(697,174)	(89,196)	(1,518,585)	(34,097)	(2,339,052)
May 2020 - actual	4,577,719	65,636	6,313	137,505	3,589	213,043
June 2020 - actual	4,478,233	(30,783)	(6,228)	(61,363)	(1,112)	(99,486)
July 2020 - actual	6,715,676	792,265	102,353	1,317,188	25,637	2,237,443
August 2020 - actual	8,724,125	679,243	87,051	1,222,797	19,358	2,008,449
September 2020 - actual	8,099,982	(235,888)	(34,162)	(346,669)	(7,424)	(624,143)
October 2020 - actual	5,919,391	(611,844)	(94,900)	(1,444,195)	(29,652)	(2,180,591)
November 2020 - actual	5,901,814	(8,035)	(2,590)	(6,889)	(63)	(17,577)
December 2020 - forecast	6,598,931	247,673	31,035	408,609	9,800	697,117
January 2021 - forecast	6,595,351	(1,448)	(149)	(1,937)	(46)	(3,580)
February 2021 - forecast	6,442,084	(59,835)	(6,508)	(84,895)	(2,029)	(153,267)
March 2021 - forecast	6,248,054	(70,241)	(8,803)	(112,298)	(2,688)	(194,030)
April 2021 - forecast	4,900,061	(425,476)	(66,490)	(836,015)	(20,012)	(1,347,993)
May 2021 - forecast	4,252,658	(194,435)	(32,697)	(410,451)	(9,820)	(647,403)
June 2021 - forecast	$3,562,855	(221,168)	(33,738)	(424,799)	(10,098)	($689,803)

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$2,280,576					
March 2020 - actual	2,080,723	($542,342)	($57,884)	$400,373	$0	($199,853)
April 2020 - actual	2,576,867	198,269	22,469	275,406	0	496,144
May 2020 - actual	3,180,854	263,866	26,727	313,394	0	603,987
June 2020 - actual	3,332,298	(50,274)	(6,671)	208,389	0	151,444
July 2020 - actual	3,922,473	144,961	17,783	427,431	0	590,175
August 2020 - actual	4,544,592	227,860	33,406	360,853	0	622,119
September 2020 - actual	4,825,152	107,838	15,343	157,379	0	280,560
October 2020 - actual	5,414,755	393,328	35,047	161,228	0	589,603
November 2020 - actual	5,772,003	276,764	25,524	54,960	0	357,248
December 2020 - forecast	5,403,038	(139,040)	3,578	(233,503)	0	(368,965)
January 2021 - forecast	4,757,085	(407,272)	567	(239,248)	0	(645,953)
February 2021 - forecast	4,244,633	(332,621)	1,077	(180,908)	0	(512,452)
March 2021 - forecast	4,145,313	(13,020)	18,349	(104,649)	0	(99,320)
April 2021 - forecast	4,354,966	143,282	13,769	52,602	0	209,653
May 2021 - forecast	4,522,483	209,289	14,188	(55,960)	0	167,517
June 2021 - forecast	$4,250,926	6,443	2,092	(280,092)	0	($271,557)

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	($86,728)					
March 2020 - actual	(234,402)	($97,924)	($9,094)	($40,656)	$0	($147,674)
April 2020 - actual	(399,194)	(93,739)	(9,066)	(61,987)	0	(164,792)
May 2020 - actual	(553,737)	(87,410)	(8,677)	(58,456)	0	(154,543)
June 2020 - actual	(605,586)	(41,045)	(4,402)	(6,402)	0	(51,849)
July 2020 - actual	(555,502)	13,176	1,515	35,393	0	50,084
August 2020 - actual	(382,799)	93,287	10,247	69,169	0	172,703
September 2020 - actual	(371,786)	10,098	1,743	(828)	0	11,013
October 2020 - actual	(414,291)	(13,748)	(1,090)	(27,667)	0	(42,505)
November 2020 - actual	(462,895)	(16,765)	(1,338)	(30,501)	0	(48,604)
December 2020 - forecast	(367,909)	60,081	7,100	27,805	0	94,986
January 2021 - forecast	(212,964)	86,896	10,674	57,375	0	154,945
February 2021 - forecast	(31,557)	100,632	11,761	69,014	0	181,407
March 2021 - forecast	16,794	34,711	4,695	8,945	0	48,351
April 2021 - forecast	(46,882)	(26,550)	(2,141)	(34,985)	0	(63,676)
May 2021 - forecast	(116,579)	(25,245)	(2,248)	(42,204)	0	(69,697)
June 2021 - forecast	($143,374)	(7)	580	(27,368)	0	($26,795)

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$12,641					
March 2020 - actual	11,876	($2,864)	($414)	$2,513	$0	($765)
April 2020 - actual	12,921	(964)	(203)	2,212	0	1,045
May 2020 - actual	16,781	603	(55)	3,312	0	3,860
June 2020 - actual	32,685	6,591	490	8,823	0	15,904
July 2020 - actual	32,855	1,192	62	(1,084)	0	170
August 2020 - actual	30,362	3,988	534	(7,015)	0	(2,493)
September 2020 - actual	22,557	1,299	236	(9,340)	0	(7,805)
October 2020 - actual	16,369	2,282	278	(8,748)	0	(6,188)
November 2020 - actual	14,029	4,291	480	(7,111)	0	(2,340)
December 2020 - forecast	3,747	1,930	335	(12,547)	0	(10,282)
January 2021 - forecast	(7,485)	863	318	(12,413)	0	(11,232)
February 2021 - forecast	(17,094)	1,346	341	(11,296)	0	(9,609)
March 2021 - forecast	(26,975)	2,055	357	(12,293)	0	(9,881)
April 2021 - forecast	(31,975)	3,064	381	(8,445)	0	(5,000)
May 2021 - forecast	(37,591)	3,996	451	(10,063)	0	(5,616)
June 2021 - forecast	($49,247)	2,173	305	(14,134)	0	($11,656)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
NOVEMBER 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$138,374	$73,074	$49,998	$261,446
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	3.67	99.50	
46	Billed S.C. DERP incremental revenue	Input	$133,680	$114,332	$25,396	$273,408
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	4,694	($41,258)	$24,602	($11,962)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	$4,694	($41,258)	$24,602	($11,962)

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2020	$45,020	
March 2020 - actual	22,698	($22,322)
April 2020 - actual	19,428	(3,270)
May 2020 - actual	14,695	(4,733)
June 2020 - actual	25,056	10,361
July 2020 - actual	76,859	51,803
August 2020 - actual	98,892	22,033
September 2020 - actual	147,012	48,120
October 2020 - actual	165,750	18,738
November 2020 - actual	153,788	(11,962)
December 2020 - forecast	280,814	127,026
January 2021 - forecast	412,232	131,418
February 2021 - forecast	543,625	131,393
March 2021 - forecast	675,124	131,499
April 2021 - forecast	806,991	131,868
May 2021 - forecast	939,106	132,115
June 2021 - forecast	$1,071,293	$132,187

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of 1.901 and RECD 5% discount.
_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .532 and RECD 5% discount.
_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/20 approved residential rate of .021 and RECD 5% discount.
_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .002 and RECD 5% discount.

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$2,585,124	$15,768,474	-	-	-	-	-
Oil	18	395,582	-	-	-	-	-
Gas - CC	-	-	$8,139,078	$9,844,804	$11,516,474	$14,059,030	-
Gas - CT	-	-	255,247	4,768,223	146,558	-	-
Biogas	-	-	-	209,647	9,388	-	-
Total	$2,585,142	$16,164,056	$8,394,325	$14,822,674	$11,672,420	$14,059,030	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	282.08	271.96	-	-	-	-	-
Oil	-	958.29	-	-	-	-	-
Gas - CC	-	-	492.64	370.34	463.60	399.33	-
Gas - CT	-	-	477.48	339.51	5,907.21	-	-
Biogas	-	-	-	2,928.03	2,853.50	-	-
Weighted Average	282.08	276.82	492.16	364.20	469.35	399.33	-
Cost of Fuel Burned ($)							
Coal	-	$4,774,469	-	-	-	-	-
Oil - CC	-	-	-	$62	-	-	-
Oil - Steam/CT	-	643,447	$4,730	47,111	-	-	-
Gas - CC	-	-	8,139,078	9,844,804	$11,516,474	$14,059,030	-
Gas - CT	-	-	255,247	4,768,223	146,558	-	-
Biogas	-	-	-	209,647	9,388	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	$5,417,916	$8,399,055	$14,869,847	$11,672,420	$14,059,030	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	-	354.80	-	-	-	-	-
Oil - CC	-	-	-	1,550.00	-	-	-
Oil - Steam/CT	-	1,133.09	1,520.90	1,662.35	-	-	-
Gas - CC	-	-	492.64	370.34	463.60	399.33	-
Gas - CT	-	-	477.48	339.51	5,907.21	-	-
Biogas	-	-	-	2,928.03	2,853.50	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	386.32	492.35	365.11	469.35	399.33	-
Average Cost of Generation (¢/kWh)							
Coal	-	4.16	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	16.35	32.61	19.18	-	-	-
Gas - CC	-	-	3.28	1.99	3.38	3.06	-
Gas - CT	-	-	17.02	15.35	77.14	-	-
Biogas	-	-	-	17.55	20.79	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	4.56	3.36	2.82	3.42	3.06	-
Burned MBTU's							
Coal	-	1,345,668	-	-	-	-	-
Oil - CC	-	-	-	4	-	-	-
Oil - Steam/CT	-	56,787	311	2,834	-	-	-
Gas - CC	-	-	1,652,150	2,658,303	2,484,125	3,520,642	-
Gas - CT	-	-	53,457	1,404,451	2,481	-	-
Biogas	-	-	-	7,160	329	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	1,402,455	1,705,918	4,072,752	2,486,935	3,520,642	-
Net Generation (mWh)							
Coal	(6,645)	114,801	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	3,936	15	246	-	-	(35)
Gas - CC	-	-	248,383	494,793	341,009	459,732	-
Gas - CT	-	-	1,499	31,069	190	-	-
Biogas	-	-	-	1,194	45	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	(6,645)	118,737	249,897	527,303	341,244	459,732	(35)
Cost of Reagents Consumed ($)							
Ammonia	-	$8,303	-	$11,837	-	-	-
Limestone	-	110,446	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	-	38,957	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	-	$157,706	-	$11,837	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME NOVEMBER 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$18,353,598	$233,917,219
Oil	-	-	-	-	-	-	395,600	9,263,457
Gas - CC	-	-	-	-	-	-	43,559,386	508,192,281
Gas - CT	$170	$353,974	$24	-	-	-	5,524,196	58,782,953
Biogas	-	-	-	-	-	-	219,035	4,665,200
Total	$170	$353,974	$24	-	-	-	$68,051,815	$814,821,110
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	273.34	382.59
Oil	-	-	-	-	-	-	958.33	1,377.23
Gas - CC	-	-	-	-	-	-	422.28	360.72
Gas - CT	-	338.96	-	-	-	-	353.02	318.74
Biogas	-	-	-	-	-	-	2,924.76	2,780.63
Weighted Average	-	338.96	-	-	-	-	365.02	368.26
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$4,774,469	$228,509,496
Oil - CC	-	-	-	-	-	-	62	439,134
Oil - Steam/CT	-	-	$57,905	-	-	-	753,193	7,559,300
Gas - CC	-	-	-	-	-	-	43,559,386	508,192,281
Gas - CT	$170	$353,974	24	-	-	-	5,524,196	58,782,953
Biogas	-	-	-	-	-	-	219,035	4,665,200
Nuclear	-	-	-	$7,996,544	$4,082,244	$541,060	12,619,848	174,441,640
Total	$170	$353,974	$57,929	$7,996,544	$4,082,244	$541,060	$67,450,189	$982,590,004
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	354.80	366.63
Oil - CC	-	-	-	-	-	-	1,550.00	1,538.39
Oil - Steam/CT	-	-	1,590.80	-	-	-	1,184.79	1,431.59
Gas - CC	-	-	-	-	-	-	422.28	360.72
Gas - CT	-	338.96	-	-	-	-	353.02	318.74
Biogas	-	-	-	-	-	-	2,924.76	2,780.63
Nuclear	-	-	-	56.41	56.40	55.67	56.37	56.37
Weighted Average	-	338.96	1,591.46	56.41	56.40	55.67	189.03	184.75
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.41	4.08
Oil - CC	-	-	-	-	-	-	-	15.22
Oil - Steam/CT	-	-	39.39	-	-	-	17.48	24.65
Gas - CC	-	-	-	-	-	-	2.82	2.59
Gas - CT	-	4.82	-	-	-	-	13.84	3.80
Biogas	-	-	-	-	-	-	17.67	19.94
Nuclear	-	-	-	0.59	0.57	0.63	0.59	0.59
Weighted Average	-	4.82	39.41	0.59	0.57	0.63	1.71	1.70
Burned MBTU's								
Coal	-	-	-	-	-	-	1,345,668	62,327,328
Oil - CC	-	-	-	-	-	-	4	28,545
Oil - Steam/CT	-	-	3,640	-	-	-	63,572	528,036
Gas - CC	-	-	-	-	-	-	10,315,220	140,881,191
Gas - CT	-	104,430	-	-	-	-	1,564,819	18,442,225
Biogas	-	-	-	-	-	-	7,489	167,775
Nuclear	-	-	-	14,176,080	7,237,914	971,865	22,385,859	309,469,509
Total	-	104,430	3,640	14,176,080	7,237,914	971,865	35,682,631	531,844,609
Net Generation (mWh)								
Coal	-	-	-	-	-	-	108,156	5,595,498
Oil - CC	-	-	-	-	-	-	-	2,886
Oil - Steam/CT	-	-	147	-	-	-	4,309	30,667
Gas - CC	-	-	-	-	-	-	1,543,917	19,612,556
Gas - CT	(179)	7,340	-	-	-	-	39,920	1,546,381
Biogas	-	-	-	-	-	-	1,240	23,396
Nuclear	-	-	-	1,355,359	715,179	86,392	2,156,930	29,780,767
Hydro (Total System)							83,253	857,196
Solar (Total System)							17,309	246,210
Total	(179)	7,340	147	1,355,359	715,179	86,392	3,955,033	57,695,556
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	20,140	$1,365,788
Limestone	-	-	-	-	-	-	110,446	7,111,737
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	38,957	2,600,550
Urea	-	-	-	-	-	-	-	65,059
Total	-	-	-	-	-	-	$169,543	$11,143,134

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
NOVEMBER 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	400,959	837,742	-	-	-	-	-
Tons received during period	36,709	232,833	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	0	54,225	-	-	-	-	-
Ending balance	437,668	1,016,350	-	-	-	-	-
MBTUs per ton burned	-	24.82	-	-	-	-	-
Cost of ending inventory ($/ton)	91.24	87.99	-	-	-	-	-
Oil Data:							
Beginning balance	306,199	422,962	4,451,068	7,957,906	2,592,206	-	743,962
Gallons received during period	0	299,127	-	-	-	-	-
Miscellaneous use and adjustments	(1,313)	(7,481)	0	-	-	-	-
Gallons burned during period	-	413,918	2,259	20,266	-	-	-
Ending balance	304,886	300,690	4,448,809	7,937,640	2,592,206	-	743,962
Cost of ending inventory ($/gal)	1.81	1.55	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,647,457	3,916,371	2,397,399	3,394,438	-
MCF burned during period	-	-	1,647,457	3,916,371	2,397,399	3,394,438	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	6,901	319	-	-
MCF burned during period	-	-	-	6,901	319	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	15,406	69,258	-	-	-	-	-
Tons received during period	-	28,535	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	-	2,489	-	-	-	-	-
Ending balance	15,406	95,304	-	-	-	-	-
Cost of ending inventory ($/ton)	49.41	41.17	--	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
NOVEMBER 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME November 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,238,701	1,510,631
Tons received during period	-	-	-	-	-	-	269,542	2,432,029
Inventory adjustments	-	-	-	-	-	-	-	32,728
Tons burned during period	-	-	-	-	-	-	54,225	2,482,210
Ending balance	-	-	-	-	-	-	1,454,018	1,454,018
MBTUs per ton burned	-	-	-	-	-	-	24.82	25.11
Cost of ending inventory ($/ton)	-	-	-	-	-	-	88.96	88.96
Oil Data:								
Beginning balance	10,033,053	11,144,965	554,096	122,641	261,972	70,540	38,661,570	37,867,861
Gallons received during period	-	-	-	-	-	-	299,127	4,874,026
Miscellaneous use and adjustments	-	-	-	-	-	-	(8,794)	(116,459)
Gallons burned during period	-	-	26,008	-	-	34,713	497,164	4,170,689
Ending balance	10,033,053	11,144,965	528,088	122,641	261,972	35,827	38,454,739	38,454,739
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	100,620	-	-	-	-	11,456,285	154,209,146
MCF burned during period	-	100,620	-	-	-	-	11,456,285	154,209,146
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	7,220	162,395
MCF burned during period	-	-	-	-	-	-	7,220	162,395
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	84,664	133,449
Tons received during period	-	-	-	-	-	-	28,535	126,606
Inventory adjustments	-	-	-	-	-	-	-	5,162
Tons consumed during period	-	-	-	-	-	-	2,489	154,507
Ending balance	-	-	-	-	-	-	110,710	110,710
Cost of ending inventory ($/ton)	-	-	-	-	-	-	42.32	42.32

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

NOVEMBER 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	36,709	2,388,573	65.07
	FIXED TRANSPORTATION/ADJUSTMENTS	-	$ 196,551	-
	TOTAL	36,709	$ 2,585,124	70.42
ROXBORO	SPOT	24,851	$ 1,631,480	$ 65.65
	CONTRACT	207,982	13,665,671	65.71
	FIXED TRANSPORTATION/ADJUSTMENTS	-	471,323	-
	TOTAL	232,833	$ 15,768,474	$ 67.72
ALL PLANTS	SPOT	24,851	$ 1,631,480	$ 65.65
	CONTRACT	244,691	16,054,244	65.61
	FIXED TRANSPORTATION/ADJUSTMENTS	-	667,874	-
	TOTAL	269,542	$ 18,353,598	$ 68.09

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

NOVEMBER 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	7.34	9.20	12,483	1.78
ROXBORO	7.00	9.86	12,451	1.63

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

NOVEMBER 2020

	ROXBORO
VENDOR	Greensboro Tank Farm
SPOT/CONTRACT	Contract
SULFUR CONTENT %	0
GALLONS RECEIVED	299,127
TOTAL DELIVERED COST	$ 395,582
DELIVERED COST/GALLON	$ 1.32
BTU/GALLON	138,000

NOTE: Motor Fuel taxes of $18 for the Mayo station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2019 - November, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	6,916,569	938	83.95	82.50
Brunswick 2	8,090,218	932	98.82	98.34
Harris 1	8,449,313	964	99.78	97.62
Robinson 2	6,324,667	758	95.06	93.41

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2019 through November, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,105,439	225	55.93	76.53
Lee Energy Complex	1B	1,152,565	227	57.80	79.96
Lee Energy Complex	1C	1,139,852	228	56.91	77.58
Lee Energy Complex	ST1	2,331,358	379	70.03	90.75
Lee Energy Complex	Block Total	5,729,214	1,059	61.59	82.58
Richmond County CC	7	954,782	194	56.03	78.58
Richmond County CC	8	888,548	194	52.14	76.13
Richmond County CC	ST4	1,072,004	182	67.06	84.53
Richmond County CC	9	1,317,234	216	69.43	81.10
Richmond County CC	10	1,310,900	216	69.09	79.63
Richmond County CC	ST5	1,717,304	248	78.83	89.87
Richmond County CC	Block Total	7,260,772	1,250	66.13	81.92
Sutton Energy Complex	1A	1,209,924	224	61.49	78.12
Sutton Energy Complex	1B	1,212,686	224	61.63	77.00
Sutton Energy Complex	ST1	1,523,705	271	64.01	86.12
Sutton Energy Complex	Block Total	3,946,315	719	62.48	80.79
Asheville CC	ACC CT5	998,815	189	60.03	77.34
Asheville CC	ACC CT7	887,866	189	53.37	78.70
Asheville CC	ACC ST6	485,619	91	61.03	72.07
Asheville CC	ACC ST8	330,237	91	41.50	78.24
Asheville CC	Block Total	2,702,537	560	54.94	77.10

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2019 through November, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	759,273	746	11.59	56.50
Roxboro 2	1,241,556	673	21.00	55.97
Roxboro 3	1,694,290	698	27.63	71.40
Roxboro 4	1,336,815	711	21.40	66.50

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2019 through November, 2020
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	42,557	192	2.52	15.30
Asheville	2	45,817	192	2.72	13.29
Roxboro	1	499,721	380	14.97	69.93

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
December, 2019 through November, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	223,844	347	95.04
Blewett CT	-576	68	95.41
Darlington CT	-1	779	50.60
Richmond County CT	1,104,830	934	87.24
Sutton Fast Start CT	69,529	98	95.09
Wayne County CT	155,049	963	94.37
Weatherspoon CT	-158	164	90.50

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
December, 2019 through November, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	16,558	27.0	8.98
Marshall	-237	4.0	3.23
Tillery	302,477	84.0	94.67
Walters	538,397	113.0	64.05

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.